ABSTRACT OF THE DISCLOSURE

A face model having outer and inner facial features is matched to that of first and second models. Each facial feature of the first and second models is represented by plurality of points that are adjusted for each matching outer and inner facial feature of the first and second models using 1) the corresponding epipolar constraint for the inner features of the first and second models. 2) Local grey-level structure of both outer and inner features of the first and second models. The matching and the adjusting are repeated, for each of the first and second models, until the points for each of the outer and inner facial features on the respective first and second models that are found to match that of the face model have a relative offset there between of not greater than a predetermined convergence tolerance. The inner facial features can include a pair of eyes, a nose and a mouth. The outer facial features can include a pair of eyebrows and a silhouette of the jaw, chin, and cheeks.